BOSTITCH®

CAP2000P-OF AIR COMPRESSOR
COMPRESOR DE AIRE CAP2000P-OF
COMPRESSEUR D'AIR CAP2000P-OF

OPERATION and MAINTENANCE MANUAL
MANUALES DE OPERACIÓN y MANTENIMIENTO
LES MANUELS D'UTILISATION et D'ENTRETIEN

⚠WARNING: **⚠ADVERTENCIA:** **⚠ATTENTION:**

BEFORE OPERATING THIS TOOL, ALL OPERATORS SHOULD STUDY THIS MANUAL TO UNDERSTAND AND FOLLOW THE SAFETY WARNINGS AND INSTRUCTIONS. KEEP THESE INSTRUCTIONS WITH THE TOOL FOR FUTURE REFERENCE. IF YOU HAVE ANY QUESTIONS, CONTACT YOUR BOSTITCH REPRESENTATIVE OR DISTRIBUTOR.

ANTES DE OPERAR ESTA HERRAMIENTA, TODOS LOS OPERADORES DEBERÁN ESTUDIAR ESTE MANUAL PARA PODER COMPRENDER Y SEGUIR LAS ADVERTENCIAS SOBRE SEGURIDAD Y LAS INSTRUCCIONES. MANTENGA ESTAS INSTRUCCIONES CON LA HERRAMIENTA PARA FUTURA REFERENCIA, SI TIENE ALGUNA DUDA, COMUNÍQUESE CON SU REPRESENTANTE DE BOSTITCH O CON SU DISTRIBUIDOR.

LIRE ATTENTIVEMENT LE PRÉSENT MANUEL AVANT D'UTILISER L'APPAREIL. PRÉTER UNE ATTENTION TOUTE PARTICULIÈRE AUX CONSIGNES DE SÉCURITÉ ET AUX AVERTISSEMENTS. GARDER CE MANUEL AVEC L'OUTIL POUR FUTUR RÉFÉRENCE. SI VOUS AVEZ DES QUESTIONS, CONTACTEZ VOTRE REPRÉSENTANT OU VOTRE CONCESSIONNAIRE BOSTITCH.

BOSTITCH®
Stanley Fastening Systems L.P.

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INTRODUCTION

Congratulations on your purchase of a High Performance BOSTITCH Portable Air Compressor. This compressor has been designed to provide compressed air to power various pneumatic tools - including pneumatic fastening tools.

Before assembling, operating or maintaining this air compressor, users must read and understand the information contained in this owner's manual. Carefully review the Rules for Safe Operation section in this owner's manual and fully understand all warnings.

⚠DANGER: Danger indicates an imminently hazardous situation which, if not avoided, WILL result in death or serious injury.

⚠WARNING: Warnings indicate a potentially hazardous situation which, if not avoided,could result in death or serious bodily injury.

NOTICE!: Notice indicates important information that if not followed correctly could result in damage to equipment.

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Be Educated:
All users must read and fully understand all information contained in this owner's manual before assembling, operating, or maintaining this air compressor.

Avoid Moving Parts:
When the compressor is plugged into an electrical source and the pressure switch is in the "ON" position, this compressor will cycle automatically.
- Never touch any moving parts.
- Keep all body parts, hair, clothing, and jewelry away from moving parts.
- Never operate the air compressor without all guards and shrouds in place.
- Never stand on the compressor.

Attachments and Accessories:
For any attachment or accessory you will be using with this compressor, the maximum allowable recommended pressure should be clearly marked on the product or should be clearly noted within the operations manual. Exceeding the pressure rating of these attachments (including, but not limited to:air tools, air operated accessories, spray guns, air hose, air hose connections, tires and other inflatables) could cause them to fly apart or explode and could result in serious injury.
- Never exceed the maximum allowable pressure recommended by the manufacturer of any attachment or accessory you use with this compressor.

Personal Protection:
The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the American National Standards Institute ANSI Z87.1-1989 and provide both frontal and side protection.
NOTICE!: Non-side shielded spectacles and face shields alone do not provide adequate protection. Eye protection conforming to ANSI Z87.1-1989 will always be marked "Z87".
⚠WARNING: Additional Safety Protection will be required in some environments. For example, the working area may include exposure to noise level which can lead to hearing damage. The employer and user must ensure that any necessary hearing protection is provided and used by the operator and others in the work area. Some environments will require the use of head protection equipment. When required, the employer and user must ensure that head protection conforming to ANSI Z89.1-1986.
- Always wear eye protection.
- Wear proper hearing and head protection.
- Compressed air blast must never be aimed at anyone. Compressed air can cause bodily injury and can propel loose particles and small objects at high speed.
- Keep children away from area of operation.

Transporting:
Use the handle to move the compressor. Do not drag or pull the compressor by the power cord or air hose. Always disconnect the air compressor before transporting.

Air Tank:
Due to condensation associated with the process of compressing air, moisture will build up inside your compressor's air tank. Drain tank of moisture daily (See General Maintenance). Failure to drain moisture from the tank properly could lead to the formation of rust and thinning of the steel tank.

⚠WARNING: FAILURE TO REGULARLY DRAIN TANK MAY CAUSE TANK CORROSION AND RISK OF TANK EXPLOSION, RESULTING IN SERIOUS INJURY. TO AVOID RISK OF TANK FAILURE DURING USE, DRAIN TANK AFTER EACH USE OR EVERY FOUR HOURS OF OPERATION TO PREVENT CONDENSATION BUILD-UP AND TANK CORROSION.

⚠WARNING: DO NOT PERFORM WELDING OR REPAIR OPERATIONS ON THE AIR TANK OF THIS COMPRESSOR. WELDING ON THE AIR COMPRESSOR TANK CAN SEVERELY IMPAIR TANK STRENGTH AND CAUSE AN EXTREMELY HAZARDOUS CONDITION. WELDING ON THE TANK IN ANY MANNER WILL VOID THE WARRANTY.

Ventilation:
⚠WARNING: RISK OF FIRE OR EXPLOSION - DO NOT SPRAY FLAMMABLE LIQUID IN A CONFINED AREA. SPRAY AREA MUST BE WELL VENTILATED. DO NOT SMOKE WHILE SPRAYING AND DO NOT SPRAY WHERE SPARK OR FLAME IS PRESENT. KEEP COMPRESSORS AS FAR FROM SPRAYING AREA AS POSSIBLE.

Risk of Burns:
All air compressors generate heat, even operating under normal conditions. Bostitch compressors have been designed to reduce the risk of burns by limiting access to tubes and cylinder head parts. In areas where tubes are exposed, a protective sheathing has been added to the tubes to reduce risk; however, risk of burns does exist.

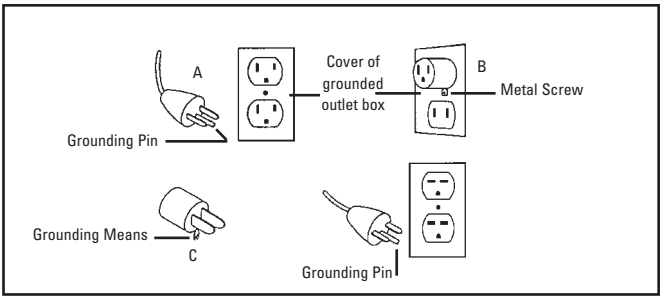
- To avoid serious burns, never touch the cylinder head parts or tubing during or immediately after operation.

ELECTRICAL GROUNDING INSTRUCTIONS:

This product should be electrically grounded. In the event of an electrical short circuit, grounding reduces the risk of electrical shock by providing an escape wire for electrical current. This product is equipped with a cord having a grounding wire with an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

⚠DANGER: IMPROPER INSTALLATION OF THE GROUNDING PLUG CAN RESULT IN A RISK OF ELECTRIC SHOCK. If a repair or replacement cord is necessary, do not connect the grounding wire to either flat blade terminal. Check with a qualified electrician or serviceman, if the grounding instructions are not completely understood or if there is doubt as to whether this product is properly grounded. Do not modify the plug provided. If the supplied plug does not fit the outlet, have the proper outlet installed by a qualified electrician.

This product is shipped for use on a nominal 120-volt circuit, and has a grounding plug that looks like the plug in sketch A. A temporary adapter that looks like the adapter illustrated in sketches B and C may be used to connect this plug to a 2-pole receptacle as shown in sketch B, if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet (sketch A) can be installed by a qualified electrician. The green colored rigid ear, lug, or like extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adapter is used, it must be held in place by a metal screw.



The motor of this compressor has a thermal overload protector in the motor winding. If the motor should overheat, the overload protector will shut the motor off. When the temperature returns to normal, the motor will restart automatically.

NOTICE! Do not stop the compressor by pulling out the plug. Use only the On/Off switch, which operates a pressure relief valve on the compressor. If the compressor is plugged in with the switch in the "On" position, the compressor may have trouble restarting against the high pressure which could cause excessive heat build up and could damage the motor.

Safety Valve:
This compressor is equipped with a safety valve that is set to avoid over-pressurization of the air tanks. This valve is factory pre-set at 160 PSI and will not function unless tank pressure reaches this pressure. DO NOT ATTEMPT TO ADJUST OR ELIMINATE THIS SAFETY DEVICE. ANY ADJUSTMENTS TO THIS VALVE COULD CAUSE SERIOUS INJURY. If this device requires service or maintenance, see an Authorized BOSTITCH Service Center.

ELECTRICAL GROUNDING INSTRUCTIONS: (continued)

DUTY CYCLE:
To ensure long life of your BOSTITCH air compressor, do not operate on more than a 50% duty cycle. If this air compressor pumps air more than 50% of one hour, then the compressor's capability is less than the air delivery required by the application. Always match the air volume requirements of the attachment or accessory with the air volume delivery of the compressor.

Notice!: BOSTITCH does not recommend the use of extension cords with compressors. The use of an extension cord can result in the loss of voltage supplied to the compressor which could prevent the compressor from starting. For optimum performance, plug the compressor directly into an outlet and increase the length of airline as needed.

If an extension cord must be used, use these guidelines:

Distance Needed	Recommended Gauge
Less than 25 ft.	12 Gauge
25 - 50 ft.	10 Gauge
Greater than 50 ft.	Not Recommended

CAP2000P-OF SPECIFICATIONS

Motor:	2HP (Peak) / 1.5HP (Running) 115V – 60HZ
Fuse Requirements:	15 Amps minimum
Operating Pressure:	0 – 150PSI
Safety Valve Setting:	160 PSI
Air Delivery:	3.7 CFM @ 40 PSI 2.8 CFM @ 90 PSI
Maximum Amps at Working Pressure:	12
Tank Size:	6 Gallons
Air Outlet:	1/4" NPT
Pressure Switch Settings:	On @ 120 PSI Off @ 150 PSI
Weight:	37lbs.
PSI = Pounds Per Square Inch:	CFM = Cubic Feet Per Minute

A. Pressure Switch: - The pressure switch is the activation mechanism that is used to start and stop the compressor. When the switch is pulled out to the "On" position, the motor and pump will compress air until tank pressure reaches the upper limit of the factory set operating pressure. When tank pressure falls below the factory set "cut in" pressure, the compressor will again automatically start to compress air.

B. Tank Pressure Gauge: The tank pressure gauge indicates the air pressure that is present in the tank in PSI (lbs/sq. in.).

C. Regulated Pressure Gauge: The regulated pressure gauge indicates the amount of pressure that is allowed into the discharge line according to the setting of the regulator.

D. Regulator Knob: The regulator knob is used to adjust the air pressure that is available at the discharge line. The discharge air pressure is increased by turning the knob clockwise and decreased by turning the knob counter clockwise.

E. Drain Cock: Twist style valve that drains moisture from the tank when opened.

OPERATION INSTRUCTIONS

Pre-Start Procedures:

1. Inspect the compressor for any damaged components. Do not operate if compressor is damaged.
2. Verify that the tanks have been drained and are clear of any moisture or dirt (See "Draining Tank").

Start-Up Procedures:

1. Verify that the On/Off switch is in the Off position.
2. Verify that the tank air pressure is at 0 PSI.
3. Attach the air hose to the discharge line.
4. Plug the unit into a properly grounded outlet.
5. Pull out the On/Off switch to On. The compressor will automatically cycle on and off to keep the tank pressure maintained .
6. Adjust the pressure regulator to the proper pressure setting required for the air tool.

Shut-Off Procedures:

1. Push in the On/Off switch to the Off position.

GENERAL MAINTENANCE

Service and Maintenance:

Prior to performing service and maintenance to the compressor, always disconnect all accessories and attachments from the unit, and disconnect the compressor from the electrical source. When replacing parts, only use Genuine BOSTITCH replacement parts.

Notice!: This compressor is equipped with an oil-free pump. There is no oil to replace or check.

Draining Tank - Twist-Style Drain Cocks:

1. Verify that the compressor is turned Off.
2. Holding the handle, tilt the compressor toward the drain cock so that they are positioned at the bottom of the tank.
3. Turn the drain cock to open the valve.
4. Keep the compressor tilted until all moisture has been removed.

ANY OTHER SERVICE SHOULD ONLY BE PERFORMED BY AN AUTHORIZED BOSTITCH SERVICE CENTER

Bostitch, Inc., warrants to the original retail purchaser that this product is free from defects in material and workmanship, and agrees to repair or replace, at Bostitch's option, any defective product within 1 year from the date of purchase. This warranty is not transferable. It only covers damage resulting from defects in material or workmanship, and it does not cover conditions or malfunctions resulting from normal wear, neglect, abuse, accident or repairs attempted or made by other than our regional repair center or authorized warranty service center.

THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES. ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS LIMITED TO THE DURATION OF THIS WARRANTY. BOSTITCH SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

This warranty is limited to sales in the United States and Canada. Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty service, return the product at your expense together with proof of purchase to a Bostitch Regional or authorized warranty repair center. You may call us at 1-800-556-6696 for the location of authorized warranty service centers in your area.

TROUBLE SHOOTING GUIDE

NOTE: REMOVE POWER SOURCE AND DRAIN TANK PRESSURE PRIOR TO MAKING ANY REPAIRS OR ADJUSTMENTS.

Problem	Probable Cause	Correction
Unit will not run	Tank pressure exceeds "cut in" pressure	Once pressure drops below "cut in" pressure, the unit will start.
	Extension cord causing excessive amp draw	Check guidelines for proper cord gauge (use of extension cords is not recommended).
	Fuse or circuit tripped	Replace fuse or reset breaker
	Unit not turned on or not plugged in	Check pressure switch and verify that it is in the On position. Verify that unit is plugged in.
	Cold weather conditions (typically temperatures below freezing)	Place compressor in warmer environment for at least 30 minutes then try restarting.
Air leaks at fittings	Fittings loose	Tighten fitting. Check with soapy water. DO NOT OVER TIGHTEN.
Air leak at pressure switch	Clogged check valve	Remove and clean check valve
Unit will not build pressure	Application requires excessive air demand	Reduce demand on compressor
	Loose head	Tighten bolts on head
	Blown gasket	Remove head and check for broken or deformed gasket. Replace if needed.
	Open drain cock	Close drain cock
Unit will not build pressure	Worn or broken valves	Remove head and replace valves.
Air leak at tank or air tank welds.	Damaged air tank	**⚠WARNING: DO NOT DRILL INTO , WELD OR OTHERWISE MODIFY AIR TANK. DAMAGED OR MODIFIED TANKS CAN RUPTURE. REPLACE TANK IMMEDIATELY.**